



Classification: Energy Commission Specialist II (TED)	Position No. 5400-4185-026
CBID: R10	Office: Energy Systems Research Office
Date Prepared: August, 2011	Division: Energy Research and Development
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

Under the general supervision of the Energy Commission Supervisor II in the Energy Systems Research Office for the Energy Technology Systems Integration subject area, the incumbent serves as a member of the ETSI team to develop, implement and administer electricity- and/or natural gas-based public interest energy research, development and demonstration (RD&D) efforts related to the development and management of projects in ARRA Smart Grid for Renewable Integration. The incumbent performs complex and difficult analyses, develops and manages the more complex research projects and assists in the development of public interest energy research program policy. The incumbent provides technical leadership, direction, and coordination efforts for an interdisciplinary team or teams and assists the ETSI Team Lead with program planning and implementation of ARRA projects that support implementing the Smart Grid for Renewable Integration in the ETSI subject area.

The goal of the public interest energy research program is to conduct research, development and demonstration to advance science and technologies not adequately provided by the regulated and competitive markets. The incumbent is knowledgeable of Smart Grid concepts, technologies, and practices; performs time-critical and subject matter-critical technical or market analyses to support public interest energy RD&D funding; manages highly complex RD&D projects; and consults with experts in the field.

WORKING CONDITIONS

The work is performed in an indoor office or meeting room setting and involves sitting, standing, and/or walking. Occasional travel may occur outside Sacramento. Additional hours beyond an eight-hour workday or forty-hour workweek may be required.

DUTIES AND RESPONSIBILITIES

While performing the duties described below, the incumbent will be required to work alone, work within a team, or lead an interdisciplinary team, utilizing a personal computer and appropriate Commission software such as word processing and analytical software, electronic mail and the Internet. The incumbent will also be required to organize, lead and/or participate in meetings with other Commission staff, staff from other federal and state agencies, consultants, contractors, and other parties active in energy-related research development and demonstration. The incumbent will perform the most difficult, highly complex tasks as follows:

- 50% Provide management oversight and implementation of Smart Grid ARRA grants, energy storage, demand response, distribution automation and communication projects. Conduct planning and development activities on the implementation of the Smart Grid in California. Develop and manage complex ARRA Smart Grid research projects, grants, and contracts. Coordinate with local, regional, state, and federal governments as well as other groups, such as utilities, and other market players



to facilitate the coordination of public interest energy research programs and studies with market actions. (E)

- 20% Serve as lead technical specialist and prime resources for R&D needs related to ARRA Smart Grid funded energy research and programs. Evaluate and quantify the effect of research, development and demonstration programs on energy systems used in a Smart Grid. Identify and analyze technology trends and market developments applicable to the ARRA and other Smart Grid projects. Provide expert guidance and direction for complex technical issues, prepare innovative analytical assessments and evaluations, and provide technical leadership, direction, and coordination efforts for an interdisciplinary team related to the development and implementation of the ARRA Smart Grid component of the PIER program. Provide analytical support to the ETSI Team Lead in the development of policy options and core area program initiatives for consideration by the Manager for the Energy Systems Research Office, the Deputy Director for Energy Research and Development Division, the Executive Office, Energy Commissioners, and the Legislature. Provide expert direction on contract development and management, including contract management strategies, technical analyses, and consistent professional practices within the ETSI team. (E)
- 15% Implement solicitations and research strategies to meet the public interest energy research program objectives and goals; and provide program and policy recommendations to the ETSI Team Lead, the Manager for the Energy Systems Research Office, the Deputy Director for Energy Research and Development Division, and the Executive Office. (E)
- 5% Develop programmatic reports. Serve as a resource in preparing and presenting conclusions and recommendations and provide subject-matter expert consultation to the Commission, local, regional, state, and federal governmental agencies, legislature, media and private entities regarding studies and topics within the incumbent's assigned areas of expertise. Performing this duty may require travel. (E)
- 5% Organize, prepare and make presentations at workshops, seminars and conferences; write technical papers for professional journals and industry publications; provide expert testimony on technical problems relating to the Smart Grid program area at hearings and proceedings sponsored by the Legislature, the Energy Commission, other local and regional governments, state and federal agencies, utilities, and other entities related to Smart Grid RD&D. (M)
- 5% Perform other duties as required consistent with the specifications of this classification. (M)

SIGNATURES			
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position			
Incumbent	Date	Fernando Pina	Date
Energy Commission Specialist II (TED)		Energy Commission Supervisor II (TED)	